

Small-craft warnings were issued during the month for minor disturbances on the Great Lakes; and frost warnings for a few days during the latter half of the month for cranberry marshes in Wisconsin.

The special fire-weather forecast service for northern Michigan was resumed on the 18th; and fruit-spray forecast service for Door County, Wis., on the 4th. The fruit-spray forecast service was extended in lower Michigan on May 20 to include the Ann Arbor district; and the service for the southern portions of Illinois and Indiana, which was begun in April, was continued throughout the month.—*H. J. Cox.*

NEW ORLEANS FORECAST DISTRICT

Moderate weather prevailed over most of the district except that unusually heavy rainfall occurred locally. Small-craft warnings were issued for the Louisiana coast on one date and for the western portion of the Texas coast on two dates. No storm warnings were issued and no general storm occurred without warning. Frost was forecast for exposed localities in the northeastern portion of the district on the 15th; frost occurred in widely scattered localities. No general occurrence of frost without warnings was reported.—*I. M. Cline.*

DENVER FORECAST DISTRICT

Low pressures, attended by frequent showers and thunderstorms, with temperatures generally above normal, except in New Mexico, prevailed in southwestern Canada and most of the Rocky Mountain Region during the greater part of the month. From the 8th to the 14th, however, a HIGH from the north Pacific coast drifted slowly eastward and southeastward to the Plains States, and occasional frosts occurred in the northern and eastern portions of the district. Another HIGH advanced eastward on the 30th and frosts were reported from western Montana and northwestern Wyoming on the morning of the 31st.

Frost warnings, which were generally verified by the occurrence of frost or frost temperatures, were issued on the morning of the 1st for Montana and daily for some portion of the district during the period from the 7th to the 15th. Warnings for the higher valleys of western Colorado and the higher elevations of southern Utah were also distributed on the 25th and for the higher western valleys and extreme north-central Colorado and for Wyoming on the 31st.

At the request of the forest supervisor at Missoula, Mont., fire-weather forecasts for western Montana were begun on the 5th and continued throughout the remainder of the month. A forecast of strong winds, mostly westerly, was issued for New Mexico and Arizona on the 24th. A maximum velocity of 48 miles an hour from the south occurred at Albuquerque during the day of the 24th and again during the night of the 24th-25th, and a velocity of 40 miles an hour from the southwest was reported from the same station on the evening of the 25th.—*J. M. Sherier.*

SAN FRANCISCO FORECAST DISTRICT

The weather charts during the month of May showed rather unusual pressure formations for that month. Low pressure was persistent over the Aleutian Islands and the Gulf of Alaska and the HIGH, normally found off the California coast, was neither of its usual geographic magnitude nor was the pressure normal over the ocean where this semipermanent HIGH is charted. Semidaily

interpolated pressures for the intersection of north parallel of 32° and west meridian of 140° show that the pressure was materially below an assumed normal of 30.30 inches until after the 22d, when a rise to above normal pressure set in; thereafter the readings were above normal. This pressure situation was attended by frequent showers in Washington and Oregon, Idaho, and Nevada and by generally fair and warm weather in California. No storms of marked intensity visited the coastal regions of this forecast district. It was necessary to issue many forecasts of showers for the Pacific Northwestern States. Frost warnings were disseminated on a number of days in all States except California. The fire hazard in the forested areas of California became acute during the latter part of the month and necessitated warnings of low humidity and high temperature, which were issued well in advance of their occurrence. The month was the third successive one of which the average temperature at San Francisco exceeded those previously recorded during a period of more than 50 years.—*E. H. Bowie.*

627.41 (73) RIVERS AND FLOODS

By H. C. FRANKENFIELD

No rises of importance occurred during May. Virtually all cases in which the flood stage was exceeded represent continuations of floods already reported upon in the April number of this REVIEW.

A new river district with headquarters at Brownsville, Tex., will be established on June 1, 1926, comprising the drainage area of the Rio Grande below El Paso, Tex. This portion of the river was a part of the San Antonio, Tex., district, but the increasing importance of agricultural interests along the lower Rio Grande require special service that can best be supplied from Brownsville.

Flood stages during month of May, 1926

River and station	Flood stage	Above flood stages—dates		Crest	
		From	To	Stage	Date
ATLANTIC DRAINAGE					
Connecticut:	<i>Feet</i>			<i>Feet</i>	
White River Junction, Vt.....	15	3	8	18.9	May 6.
Hartford, Conn.....	16	(1)	8	20.8	Apr. 27.
MISSISSIPPI DRAINAGE					
Tippecanoe: Norway, Ind.....	6	5	6	6.3	May 5.
		10	11	6.3	May 11.
Illinois:					
Peru, Ill.....	14	(1)	6	19.4	Apr. 12-13.
Henry, Ill.....	10	(1)	4	13.8	Apr. 14.
Havana, Ill.....	14	(1)	8	17.6	Apr. 16-18.
Beardstown, Ill.....	14	(1)	11	19.6	Apr. 17-18.
Pearl, Ill.....	12	(1)	7	15.9	Apr. 15-19.
Canadian: Logan, N. Mex.....	4			5.0	May 14.
				5.0	May 19.
				5.0	May 23.
				6.6	May 27.
Sulphur: Ringo Crossing, Tex.....	20	9	9	21.3	May 9.
WEST GULF DRAINAGE					
Trinity:					
Dallas, Tex.....	25	21	21	27.8	May 21.
Trinidad, Tex.....	28	(1)	1	34.1	Apr. 28.
Liberty, Tex.....	25	(1)	12	27.4	Apr. 30-May 1.
Rio Grande: San Marcial, N. Mex.....	2	(1)	(?)	4.5	May 27-28.
PACIFIC DRAINAGE					
Colorado: Parker, Ariz.....	7	(1)	(?)	9.5	May 31.
Gunnison: Delta, Colo.....	9	6	6	9.3	May 6.
		22	28	9.8	May 25.
		31	31	9.0	May 31.

<sup>1</sup> Continued from last month.

<sup>2</sup> Continued at end of month.